

# Kaksha Anushasan Nigraani Vyavastha

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**Abstract:** *In order to improve classroom security and student well-being, this project provides a comprehensive class surveillance system that makes use of cutting-edge technology, such as facial recognition and body activity detection. The Head of Department (HOD) or other pertinent staff members will receive timely alerts and notifications from the system, which is designed to monitor and identify anomalous actions in real-time. The implementation comprises camera-based monitoring that is scalable for deployment in different educational contexts, with an emphasis on high-quality pixel collection. An intuitive user interface is guaranteed by the user-centric design, facilitating prompt alert acknowledgment and report access. The system works flawlessly in a classroom setting, placing cameras in strategic locations to maximize coverage and integrating with the current infrastructure to facilitate efficient data flow and communication. At the nexus of technology and safety, the initiative helps create a safe and comfortable learning environment for educational establishments.*

**Keywords:** mobile phone usage, food consumption, YOLOv8 Algorithm, Unusual Activity Detection, Bounding Boxes, Adam Optimizer, Real- Time Detection